HARE

Hasanağa OSB Mah. HOSAB Sanayi Cad. No: 62 Nilüfer - BURSA / TÜRKİYE

info@akyapak.com

+90 224 280 75 00

AKYAPAK

EMPOWER THE FUTURE

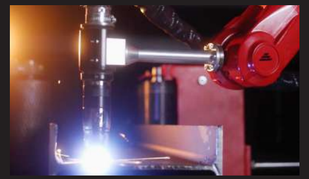
HARE

Introducing HARE: Unleash the Power Within

Transform your production processes with the perfect blend of precision and speed. Hare efficiently processes H, L, (-), U, square and rectangular profiles, providing exceptional performance in a variety of materials and thicknesses. Thanks to its robotic arm, Hare minimizes manual intervention, enhancing both your production cost-efficiency and cutting quality. With the ability to reach all four sides of the material with speed and accuracy, Hare eliminates the need to rotate the part for under-surface access. Seamlessly integrating with your automation systems, Hare offers a user-friendly interface for a fast and hassle-free cutting experience. Save time, boost productivity, and simplify your operations with Hare

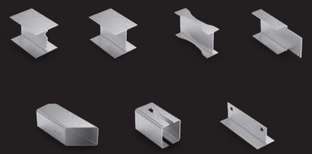
Hare minimizes your processing times and maximizes efficiency with its advanced capabilities. By performing cutting operations without the need for Bandsaw, Hare eliminates the cost of additional machinery. It accelerates your production processes while reducing costs and enhancing operational efficiency.

Designed to set you apart from the competition and open new opportunities, HARE meets Industry 4.0 standards. It facilitates the processing of complex parts, accelerates large project completion, and ensures shorter delivery times.



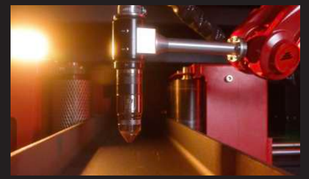
Access to Every Point with 6+2 Axes

Hare can reach all the angles required for cutting with the robotic arm that can move up and down. Thanks to its 6+2 axis, it can process all surfaces of the workpieces. In addition to this mobility, it can cut with high precision. The robotic arm is protected by a cabin inside the machine. While cutting in all axes, vibration is eliminated thanks to the robust frame of the robot as well as the clamping of the workpiece.



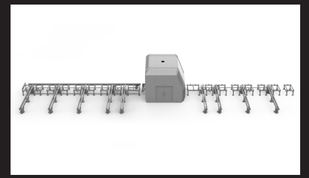
Process Any Shapes

Hare can cut any shape with precision. It provides versatile cutting solutions for structural steel applications in stadiums, buildings, and construction projects. With its robotic cutting capabilities, Hare performs hole-making, cutting, and marking operations with high speed and accuracy. Hare delivers an outstanding performance in tasks requiring both speed and precision, including bolt holes, T-slots, welding angles, edge cutting, final cutting of H and T profiles, slot and hole processing, shape connections, and marking on 4 surfaces, among other.



Limitless Profile Length, Endless Possibilities

Hare's advanced roller feed system eliminates profile length limitations, enabling you to process profiles of unlimited length with exceptional precision, thanks to its robust clamping system.



Automated Transport System: Infeed and Outfeed Along with Cross Transfer

HARE's automated infeed and outfeed conveyor systems are designed to accelerate your workflow and optimize material handling processes. These systems operate quickly and seamlessly, ensuring maximum efficiency. With the two-way cross transfer system, materials are transferred into the processing line without interruption, minimizing the need for manual intervention by operators.

Byred technology contributes to the overall efficiency of the system, while the fully automated infeed and outfeed processes in HARE's conveyor systems ensure that your production speed increases with no time wasted.

Advanced Control Backed by Byred RoboCut Software

Having easy-to use interface, Byred utilizes advanced cutting techniques without the need for programming and allows you to control the part in 3D in real time before you start cutting. With RoboCut, your downtime is reduced.Byred utilizes advanced cutting techniques without the need for programming and allows you to control the part in 3D. Reflecting Akyapak's cutting experience, the RoboCut automatically calculates the optimal angle for cutting parts and ensures that the torch stays as close to the flange as possible without the risk of hitting or damaging.Integrable with Tekla, Byred imports DSTV and DSTV+ files with ease.

Next-Level Efficiency

Byred enables integration into all your processes in enterprises that comply with Industry 4.0 requirements. Hare can be installed independently or integrated with other compatible machines in your shopfloor. Unlocking your potential for efficiency, Byred completes the process without operator intervention after the part is loaded onto the infeed conveyor. The layout can be customized according to your workshop requirements and future needs increasing throughput.

Unmatched Cut Quality

The cutting quality made possible by the Hyperterm cutting unit is unmatched in the market. XPR 300 provides high cutting quality with Byred RoboCut technology. Cutting quality minimizes your production time. Optimized speed reduces slag and ensures smoothest cut quality. Before begining the torch cutting process, it detects the material surface accurately point-to-point and carry out calibration.

Capabilities

Hare processes H-L- (-) u - Square - Rectangular profiles, on 4 surfaces thanks to its advanced robotic arm equipped with 6+2 axes and can cut profiles at all desired angles. With Byred, Hare can automatically calculate the cutting angle, speed and axis, eliminating the risk of the torch hitting the material. Byred automatically calculates small and large parts for cutting and groups the smallest parts thanks to advanced Nesting software.

Save Time and Money Byred

Byred's advanced nesting software optimizes the number of holes in the workpiece with minimal material waste. It guides the operator in selecting the precise amperage for accurate hole-making, enabling your production to run at peak efficiency. Byred also minimizes machine downtime, ensuring seamless and continuous operations.

HARE

#bigthingsarebeginning